



Amendment Under 37 C.F.R. §1.111
Application No. 10/500,304
Attorney Docket No. 042529

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions of claims in the application.

1. (Canceled)

2. (Currently amended): ~~[[The]]~~ A conductive brush ~~according to claim 1~~

which comprises a base fabric and a mixed fiber of a polyethylene terephthalate fiber and a nylon-66 fiber being raised on the base fabric by pile-flocking and,

said polyethylene terephthalate fiber and/or said nylon-66 fiber having a volume resistivity of 10^0 to $10^6 \Omega$ cm and,

said ~~wherein the~~ base fabric ~~comprises~~ comprising a multifilament of 40 to 130 dtex as a weft (T) and a warp (Y) and,

[[the]] said polyethylene terephthalate fiber and [[the]] said nylon-66 fiber constituting [[the]] said mixed fiber [[are]] being each a multifilament of 40 to 130 dtex comprising monofilaments of 0.5 to 20 dtex.

3. (Currently amended): ~~[[The]]~~ A conductive brush ~~according to claim 1~~

which comprises a base fabric and a mixed fiber of a polyethylene terephthalate fiber and a nylon-66 fiber being raised on the base fabric by pile-flocking and,

said polyethylene terephthalate fiber and/or said nylon-66 fiber having a volume resistivity of 10^0 to $10^6 \Omega$ cm and,

~~wherein a part or all of the~~ said base fabric comprising a multifilament of 40 to 130 dtex as a weft (T) and/or the warp (Y) and,

said polyethylene terephthalate fiber and said nylon-66 fiber constituting said mixed fiber being each a multifilament of 40 to 130 dtex comprising monofilaments of 0.5 to 20 dtex and, a part or all of said weft (T) and/or said warp (Y) in [[the]] said base fabric comprises comprising a thermoplastic resin having a melting point of 20 to 100°C lower than those of [[the]] said polyethylene terephthalate fiber and [[the]] said nylon-66 fiber.

4. (Currently amended): The conductive brush according to [[claim 1]] claim 2 or 3, wherein the polyethylene terephthalate fiber has a conjugate structure congregated a conductive carbon black in a central portion and a volume resistivity of 10^0 to $10^6 \Omega \cdot \text{cm}$ and, the nylon-66 fiber has a volume resistivity of not less than $10^{13} \Omega \cdot \text{cm}$.

5. (Canceled)

6. (Previously presented): The conductive brush according to claim 2, wherein a part or all of the weft (T) and/or the warp (Y) in the base fabric comprises a thermoplastic resin having a melting point of 20 to 100°C lower than those of the polyethylene terephthalate fiber and the nylon-66 fiber.

7. (Previously presented): The conductive brush according to claim 2, wherein the polyethylene terephthalate fiber has a conjugate structure congregated a conductive carbon black in a central portion and a volume resistivity of 10^0 to $10^6 \Omega \cdot \text{cm}$ and, the nylon-66 fiber has a volume resistivity of not less than $10^{13} \Omega \cdot \text{cm}$.

8. (Previously presented): The conductive brush according to claim 3,

wherein the polyethylene terephthalate fiber has a conjugate structure congregated a conductive carbon black in a central portion and a volume resistivity of 10^0 to $10^6 \Omega \cdot \text{cm}$ and, the nylon-66 fiber has a volume resistivity of not less than $10^{13} \Omega \cdot \text{cm}$.

9. (Currently amended): An electrophotographic copying device,
which comprises ~~[[the]]~~ a conductive brush according to claim 2 comprising a base fabric and a mixed fiber of a polyethylene terephthalate fiber and a nylon-66 fiber being raised on the base fabric by pile-flocking and,
said polyethylene terephthalate fiber and/or said nylon-66 fiber having a volume resistivity of 10^0 to $10^6 \Omega \text{ cm}$ and,
said base fabric comprising a multifilament of 40 to 130 dtex as a weft (T) and warp (Y)
and,
said polyethylene terephthalate fiber and said nylon-66 fiber constituting said mixed fiber being each a multifilament of 40 to 130 dtex comprising monofilaments of 0.5 to 20 dtex,
installed as a cleaning brush.

10. (Currently amended): An electrophotographic copying device,
which comprises ~~[[the]]~~ a conductive brush according to claim 3 comprising a base fabric and a mixed fiber of a polyethylene terephthalate fiber and a nylon-66 fiber being raised on the base fabric by pile-flocking and,
said polyethylene terephthalate fiber and/or said nylon-66 fiber having a volume resistivity of 10^0 to $10^6 \Omega \text{ cm}$ and,

said base fabric comprising a multifilament of 40 to 130 dtex as a weft (T) and a warp (Y) and,

said polyethylene terephthalate fiber and said nylon-66 fiber constituting said mixed fiber being each a multifilament of 40 to 130 dtex comprising monofilaments of 0.5 to 20 dtex and,

a part or all of said weft (T) and/or said warp (Y) in said base fabric comprising a thermoplastic resin having a melting point of 20 to 100°C lower than those of said polyethylene terephthalate fiber and said nylon-66 fiber, installed as a cleaning brush.

11. (Currently amended): An electrophotographic copying device,

which comprises ~~[[the]]~~ a conductive brush according to claim 4 comprising a base fabric and a mixed fiber of a polyethylene terephthalate fiber and a mixed fiber of a polyethylene terephthalate fiber and a nylon-66 fiber being raised on the base fabric by pile-flocking and,

said polyethylene terephthalate fiber and/or said nylon-66 fiber having a volume resistivity of 10^0 to $10^6 \Omega$ cm and,

said base fabric comprising a multifilament of 40 to 130 dtex as a weft (T) and a warp (Y) and,

said polyethylene terephthalate fiber and said nylon-66 fiber constituting said mixed fiber being each a multifilament of 40 to 130 dtex comprising monofilaments of 0.5 to 20 dtex and,

said polyethylene terephthalate fiber having a conjugate structure congregated a conductive carbon black in a central portion and a volume resistivity of 10^0 to $10^6 \Omega$ cm and, said

nylon-66 fiber having a volume resistivity of not less than $10^{13} \Omega \text{ cm}$, installed as a cleaning brush.

12. (New): An electrophotographic copying device,

which comprises a conductive brush, comprising a base fabric and a mixed fiber of a polyethylene terephthalate fiber and a nylon-66 fiber being raised on the base fabric by pile-flocking and,

said polyethylene terephthalate fiber and/or said nylon-66 fiber having a volume resistivity of 10^0 to $10^6 \Omega \text{ cm}$ and,

said base fabric comprising a multifilament of 40 to 130 dtex as a weft (T) and a warp (Y) and,

said polyethylene terephthalate fiber and said nylon-66 fiber constituting said mixed fiber being each a multifilament of 40 to 130 dtex comprising monofilaments of 0.5 to 20 dtex and,

a part or all of said weft (T) and/or said warp (Y) in said base fabric comprising a thermoplastic resin having a melting point of 20 to 100°C lower than those of said polyethylene terephthalate fiber and said nylon-66 fiber and,

said polyethylene terephthalate fiber having a conjugate structure congregated a conductive carbon black in a central portion and a volume resistivity of 10^0 to $10^6 \Omega \text{ cm}$ and, said nylon-66 fiber having a volume resistivity of not less than $10^{13} \Omega \text{ cm}$, installed as a cleaning brush.